

Claims

1. An electrochemical cell, such as an SOFC cell, including a nickel based electrode structure, such as for instance in form of an Ni/YSZ electrode, to which Mn has been added, characterized in that the added amount of Mn to the active zone of the electrode extending less than 20 μm from the electrolyte represents 0.5 to 5 metal atom%, preferably 1 to 4 metal atom%, in particular 2 to 3 metal atom%.
2. An electrochemical cell as claimed in claim 1, characterized in that the added amount of Mn in the part of the electrode spaced more than 20 μm from the electrolyte represents 0.5 to 10 metal atom%, preferably 1 to 6 metal atom%, in particular 4 to 5 metal atom%.

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